AMENDMENTS TO THE CLAIMS

1. (Cancelled)

2 - 3. (Cancelled)

4. (Currently amended) A method for diagnosing the risk of myocardial infarction, comprising the following steps (i) to (iii):

(i) analyzing two ~~or more~~ polymorphisms (1) and (2) ~~selected from the group consisting of the following (1) to (10)~~ in a nucleic acid sample:

(1) polymorphism at the base number position 1019 of the connexin 37 gene; and

(2) ~~polymorphism at the base number position -863 of the tumor necrosis factor α gene;~~

~~(3)~~ polymorphism at the base number position 242 of the NADH/NADPH oxidase p22 phox gene;

~~(4) polymorphism at the base number position -6 of the angiotensinogen gene;~~

~~(5) polymorphism at the base number position -219 of the apolipoprotein E gene;~~

~~(6) polymorphism at the base number position 994 of the platelet-activating factor acetylhydrolase gene;~~

~~(7) polymorphism at the base number position -482 of the apolipoprotein C-III gene;~~

~~(8) polymorphism at the base number position 1186 of the thrombospondin 4 gene;~~

~~(9) polymorphism at the base number position -819 of the interleukin-10 gene; and~~

~~(10) polymorphism at the base number position -592 of the interleukin-10 gene;~~

(ii) determining, based on the information about said polymorphism which was obtained in the step (i), the genotype of the nucleic acid sample; and

(iii) assessing, based on the genotype determined, a genetic risk of myocardial infarction.

5-12. (Cancelled)